



Chemical and Biological Defense

**CBIAC**  
Information Analysis Center

**Newsletter**

Fall 2003

Volume 4 Number 4

A U.S. Department of Defense Information Analysis Center sponsored by the Defense Information Systems Agency, **Defense Technical Information Center**

# The U.S. Army Research, Development and Engineering Command (RDECOM)

by Public Affairs Office, U.S. Army RDE Command

**MISSION:** *Field technologies which sustain America's Army as the premier land force in the world.*

The U.S. Army Research, Development and Engineering Command (RDECOM) is a consolidation of the Army's research, development and engineering capabilities under one organization. Its mission is to field technologies that sustain America's Army as the premier land force in the world. The command accomplishes its mission by rapidly integrating, maturing and demonstrating all emerging technologies to field the right equipment, in the shortest time, for soldiers.

Established as a provisional command in October 2002, RDECOM's goal is to move from a group of independent organizations to an integrated command of interdependent organizations. The command has been organized in a way that promotes and facilitates coordination and agility to stay ahead of ever-changing technological advances.

A new major subordinate command within the Army Materiel Command, RDECOM has three objectives. First, to integrate research, development, and engineering across all areas of the Army and the Department of Defense, universities, and other science and technology resources. Second, it will move emerging technology out of the labs and into the hands of soldiers faster. The third objective is to rapidly take advantage of opportunities no matter where they may arise. Achieving these objectives requires new and innovative approaches to all aspects of technology development for the soldier.

Focused on improving management, coordination and integration of research, development and engineering, RDECOM vastly expands working relationships with other Army elements, industry, academia, other services, other government agencies and international partners.

RDECOM is establishing Memoranda of Understanding with both the U.S. Army Training and Doctrine Command (TRADOC) and the Army Test and Evaluation Command (ATEC) to increase coordination between these commands and the Army's science and technology community. The relationship with TRADOC will include the full integration of Doctrine, Training, Leadership, Organization and Soldier considerations into the technology development and transition process.

Similarly, the relationship with ATEC will include the comprehensive testing considerations of the integration of technology and technology programs to facilitate the rapid and effective development and transition of technology to the soldier and maximum verification with modeling and simulation (M&S).



The Systems-of-Systems Integration section of the command looks at Army capabilities needs from a systems-of-systems perspective. It will focus on supportability and lethality capabilities (instead of commodities such as helicopters or missiles), which will enable the scientists and engineers to integrate those technologies across multiple disciplines. In addition, the Systems-of-Systems Integration unit will use modeling and simulation to reach across

## RDE Command



Continued pg. 10



The **Chemical and Biological Defense Information Analysis Center (CBIAC)** is a Department of Defense (DoD)-sponsored Information Analysis Center (IAC) operated by Battelle Memorial Institute and administered by the Defense Information Systems Agency (DISA), Defense Technical Information Center (DTIC) under the DoD IAC Program Office (Contract No. SPO700-00-D-3180).

The CBIAC Contracting Officer's Technical Representative (COTR) may be contacted at the following address:

CDR USA SBCCOM  
Edgewood Chemical Biological Center  
ATTN: AMSSB-RRT (CBIAC COTR)  
5183 Blackhawk Road  
Aberdeen Proving Ground, MD 21010-5424

U.S. Government agencies and private industry under contract to the U.S. Government can contact the CBIAC for information products and services. CBIAC services also extend to all state and local governments and the first responder community, to include local emergency planners, firefighters, medics and law enforcement personnel.



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The **CBIAC Newsletter**, a quarterly publication of the CBIAC, is a public release, unlimited distribution forum for chemical and biological defense information. It is distributed in hardcopy format and posted in Portable Document Format (PDF) on the CBIAC Homepage.

The CBIAC welcomes unsolicited articles on topics that fall within its mission scope. All articles submitted for publication consideration must be cleared for public release prior to submission. The CBIAC reserves the right to reject or edit submissions. For each issue, articles must be received by the following dates: Winter (First Quarter) - November 1st; Spring (Second Quarter) - February 1st; Summer (Third Quarter) - May 1st; Fall (Fourth Quarter) - August 1st.

All paid advertisements and articles are subject to the review and approval of the CBIAC COTR prior to publication. The appearance of an advertisement or article in the **CBIAC Newsletter** does not constitute endorsement by the DoD or the CBIAC.

The CBIAC is located in building E3330, Room 150, Aberdeen Proving Ground-Edgewood Area, Maryland 21010. For further information or assistance, visit or contact the CBIAC.

### CBIAC

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**Gunpowder, MD 21010-0196**

**410.676.9030**

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[cbiac-kmd@battelle.org](mailto:cbiac-kmd@battelle.org)

<http://www.cbic.apgea.army.mil/>

# IN THE BEGINNING: EDGEWOOD ESTABLISHED AS THE ARMY'S FIRST CHEMICAL ARSENAL

by Jeffery Smart, Command Historian, U.S. Army RDE Command

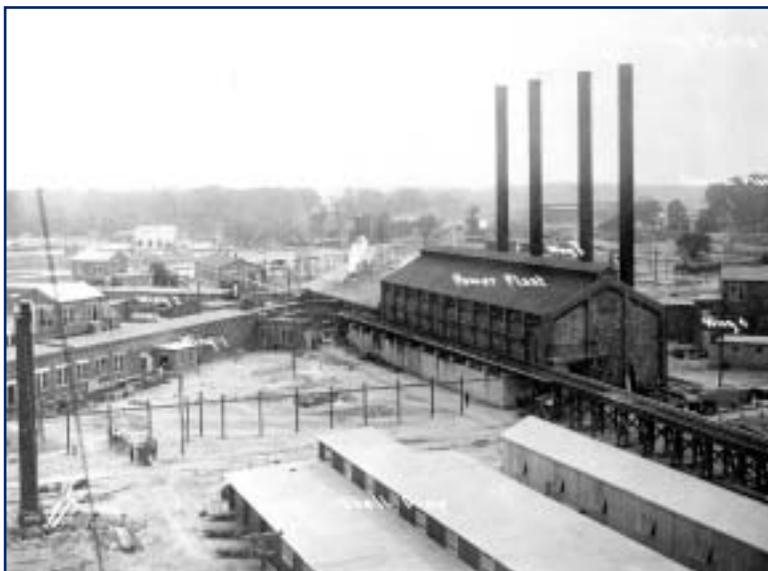
The Edgewood Area of Aberdeen Proving Ground, formerly known as Edgewood Arsenal, traces its lineage back to 1917 and the entry of the United States into World War I. This was the first war that saw the broad use of chemical weapons and limited use and experimentation with biological agents and toxins. Unprepared for either type of warfare, the War Department on an emergency basis assigned chemical defense work to the Medical Department, chemical munitions to the Ordnance Department, chemical troops to the Corps of Engineers, and, on a voluntary basis, chemical agent research and development to the Bureau of Mines, part of the Department of Interior (due to their experience with toxic mine gases).

The Ordnance Department approved the construction of the first chemical shell filling plant in the United States and on October 16, 1917, President Woodrow Wilson issued a proclamation that designated Gunpowder Neck, Maryland, as the site for the plant. Actual construction began on or about October 25. Eventually, two additional shell filling plants were started on the Neck, but

only the first one was fully operational by the end of the war. In December 1917, the Ordnance Department also authorized construction of chemical agent production plants on the Neck to support the shell filling plants. On May 4, 1918, the Ordnance Department officially changed the name of Gunpowder Reservation to Edgewood Arsenal.

Following the consolidation of the chemical activities in the American Expeditionary Forces (AEF) in France during the summer of 1917, the War Department on June 28, 1918 centralized chemical warfare functions and created the Chemical Warfare Service (CWS), later renamed the Chemical Corps. On July 1, 1918, Edgewood Arsenal was formally assigned to the new organization.

Shell Filling Plant 1



The armistice of November 1918 ended World War I when Edgewood Arsenal was only 90% complete. Since then, the mission has changed from chemical weapons production to defensive research and development, and the name has changed to the Edgewood Area of Aberdeen Proving Ground. Today, only a few of the World War I buildings still remain as a legacy of the Army's first chemical arsenal.



Aerial WWI Plants



Mustard Plant Construction

# Contract Awards • by Mary Frances Tracy

## **Field Deployable Environmental Control Units (FDECU)**

Engineered Support Systems, Inc.  
St. Louis, MO  
\$11,700,000. July 15, 2003  
By U.S. Air Force

## **Raman Chemical Imaging Biothreat Detection (RCIBD) Program: Database Development and Rapid Deployment of Instantaneous Anthrax Detection Technology**

ChemImage Corporation  
Pittsburgh, PA  
\$4,047,484. July 21, 2003  
By U.S. Army Medical Research Acquisition Activity, Ft. Detrick, MD

## **Develop Experimental Compounds for Extended Anthrax Treatment**

Rensselaer Polytechnic Institute  
Troy, NY  
\$500,000. July 29, 2003  
By National Institutes of Health's National Institute of Allergy and Infectious Diseases (NIAID), Bethesda, MD

## **Chemical Agent Detector**

Environics USA  
Great Falls, VA  
\$59,706. July 30, 2003  
By U.S. Air Combat Command, Davis Monthan AFB, AR

## **Design, Fabricate, and Test a Warhead Capable of Defeating a Broad Spectrum of Hard and Soft Targets Associated with the Development, Production, and Storage of Biological Weapons with some Capability Against Chemical Targets**

Alliant Techsystems Inc.,  
ATK Ordnance and Ground System LLC  
Plymouth, MN  
\$1,939,839. July 31, 2003  
By U.S. Air Force Research Laboratory,  
Eglin Air Force Base, FL

## **Operation of a Virus Vaccine Production Laboratory**

Charles River Laboratories Inc.  
Malvern, PA  
\$674,608. August 1, 2003  
By National Institutes of Health, Bethesda, MD

## **Modification of the Mobile Chemical Agent Detector (MICAD) for Use as a Fixed Mounted Standoff Detection System**

Northrup Grumman Corporation  
Sole Source.  
\$N/A. August 11, 2003  
By U.S. Army Robert Morris Acquisition Center,  
Edgewood, MD

## **Ambient Air Samplers for BW Agent**

ACS Defense Inc.  
Burlington, MA  
Sole Source  
\$N/A.  
By U. S. Army Robert Morris Acquisition Center,  
Edgewood, MD

## **Systems Engineering Technical Assistance for the Cooperative Threat Reduction Program**

Science Applications International Corporation  
San Diego, CA  
\$35,200,000 (as part of a \$43,600,000). September 4, 2003  
By Defense Threat Reduction Agency, Fort Belvoir, VA

## **Fast-track Development of a Heptavalent Botulinum Vaccine**

DynPort Vaccine Company LLC (DVC) (Joint venture between Computer Sciences Corporation & Porton International Inc.)  
Frederick, MD  
\$11,000,000. September 4, 2003  
By National Institute of Allergy and Infectious Diseases,  
Bethesda, MD

## **Development of Pill for Smallpox Treatment**

Chimerix  
San Diego, CA  
\$36,100,000. September 9, 2003  
By National Institute of Allergy and Infectious Diseases,  
Bethesda, MD

## **Build a Gas Life Testing Station to be Used for Measuring Gas Life of Charcoal and Gas Mask Canisters Against Cyanogen Chloride (CK), Phosgene (CG) and Chloropicrin (PS)**

Air Techniques International  
Owings Mills, MD  
Sole Source  
\$N/A.  
By U.S. Robert Morris Acquisition Center, Pine Bluff, AK

## **Joint Biological Agent Identification and Diagnostics System**

Idaho Technology Inc.  
Salt Lake City, Utah  
\$11,021,639 (increment as part of a \$58,704,688).  
September 23, 2003  
By U.S. Army Space and Missile Defense Command,  
Frederick, MD

## **U.S. Environmental Protection Agency**

National Center for Environmental Research  
Small Business Innovation Research: FY03 Awards: Full List  
[http://es.epa.gov/ncer/sbir/awards/2003\\_full.html](http://es.epa.gov/ncer/sbir/awards/2003_full.html)

# New CBIAC Information Resources • By Richard M. Gilman

## Books

Committee on Biological Threats to Agricultural Plants and Animals, National Research Council. **Countering Agricultural Bioterrorism**. Washington, D.C.: the National Academies Press, 2003.

"...over the last few years there has been recognition of the possibility and consequences of intentional threats directed at U.S. agriculture. Such attacks could come from foreign or domestic terrorists and use biological, chemical, or radiological agents. They could be directed at the pre-harvest (live plant and live animal) or post harvest (processing and distribution) stages of food and fiber production." (*Executive Summary*)



Includes numerous diagrams, illustrations, tables and five appendices.

Full text can be reviewed online at the website of the National Academy Press reading room located at <http://www.nap.edu>.

CB-190162 • ISBN 0-309-08545-4  
National Academy Press  
Box 285 Washington, D.C. 20055  
Phone: 1-800-624-6242 or 202-334-3313  
<http://www.nap.edu>

Davis, Jim A. and Barry Schneider, eds. **The Gathering Biological Warfare Storm**. Maxwell Air Force Base, AL: U.S. Air Force Counterproliferation Center, 2002.  
<http://www.au.af.mil/au/awc/awcgate/cpc-pubs/biostorm/cover.htm>

Ten authors with special expertise in biological warfare issues contributed to this compilation. Especially noteworthy are the chapter-length treatments on "Agro-terrorism and Foot-and-Mouth Disease," "Surveillance and Detection," "The Prospects for Biological War in the Middle East," "Assessment of the Emerging Biocruise Threat," and "Next Generation Bioweapons: Genetic Engineering and BW."



Includes tables of biological agents and short biographical profiles of the contributors.

CB-190533  
USAF Counterproliferation Center  
Air War College • Maxwell Air Force Base, Alabama 36112

## CD-ROM

**Proceedings of the 2001 Scientific Conference on Chemical and Biological Defense Research**, March 6-8, 2001.  
Aberdeen Proving Ground, MD: U.S. Army Soldier and Biological Chemical Command, 2001.

The proceedings contain approximately 60 unclassified papers presented at the conference along with eight summaries of poster sessions. The topics addressed cover a wide range of medical and non-medical CB defense research efforts.



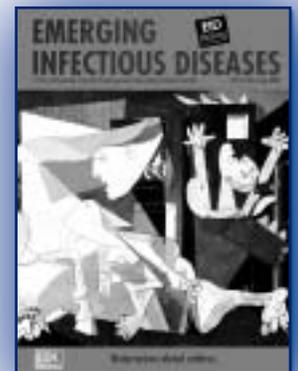
CB-188569  
U.S. Army Soldier and Biological Chemical Command  
Aberdeen Proving Ground, MD 21010

## Journals

**Emerging Infectious Diseases--A Peer Reviewed Journal Tracking and Analyzing Disease Trends.**

Vol. 9, No. 6 (June 2003).  
<http://www.cdc.gov/ncidod/eid/vol9no6/pdfs/Vol9No6.pdf>

Articles of interest to the CB-community include "Inactivation of Bacillus Anthracis Spores," "Bioterrorism-related Inhalational Anthrax in an Elderly Woman, Connecticut, 2001," "Community Reaction to Bioterrorism: Prospective Study of Simulated Outbreak," and "An Ounce of Prevention is a Ton of Work: Mass Antibiotic Prophylaxis for Anthrax, New York City, 2001."



CB-159918  
National Center for Infectious Diseases  
Centers for Disease Control and Infection (CDC)  
1600 Clifton Rd. • Mailstop D61 • Atlanta, GA 30333  
Phone: (404) 371-5329  
<http://www.cdc.gov/ncidod/EID/index.htm>

## CALENDAR OF EVENTS

If you would like to have a Chemical and/or Biological Defense or Homeland Security course or event posted on the CBIAC Calendar of Events, submit the pertinent information via email to [cbiac@battelle.org](mailto:cbiac@battelle.org). Due to space limitations, the CBIAC will accept submissions on a first-come, first-served basis and reserves the right to reject submissions. For a more extensive list of events, visit our website at <http://www.cbiac.apgea.army.mil/>.

December 1-4, 2003

### **IITSEC 2003 - 25 Years: Enhancing Warfighter Performance through Advanced Learning Technology**

Orlando, FL

<http://www.iitsec.org>

December 8-9, 2003

### **4th International Conference on Biodetection Technologies**

Arlington, VA

<http://www.knowledgepress.com/events/7011409.htm>

December 10, 2003

### **COURSE: Initial Procedures for Handling Chemical/Biological Incidents**

Smyrna, GA

[http://www.pe.gatech.edu/conted/servlet/edu/gatech.conted.course.ViewCourseDetails?COURSE\\_ID=108](http://www.pe.gatech.edu/conted/servlet/edu/gatech.conted.course.ViewCourseDetails?COURSE_ID=108)

## 2004 MEETINGS

January 22-28, 2004

### **Weapons of Mass Destruction Conference 2004 – Managing Global Threats Through Preparation, Vigilance, Communication and Response**

Tampa, FL

<http://www.va.gov/wmd>

February 2-6, 2004

### **COURSE: Field Management of Chemical and Biological Casualties (FCBC)**

Aberdeen Proving Ground, MD

[ccc@apg.amedd.army.mil](mailto:ccc@apg.amedd.army.mil)

[http://ccc.apgea.army.mil/courses/in\\_house/brochureFCBC.htm](http://ccc.apgea.army.mil/courses/in_house/brochureFCBC.htm)

February 4-6, 2004

### **15<sup>th</sup> Annual NDIA SO/LIC Symposium & Exhibition**

Washington, DC

<http://register.ndia.org/interview/register.ndia?PID=MeetingDetail&MID=4880>

February 8-11, 2004

### **Health Physics Society Midyear Topical Meeting: "Air Monitoring and Internal Dosimetry"**

Augusta, GA

<http://hps.org/newsandevents/meetings/meeting13.html>

March 1-2, 2004

### **12<sup>th</sup> International Activated Carbon Conference**

Mexico City, Mexico

<http://members.aol.com/hnpacs/conferences/Conferences.htm>

March 7-12, 2004

### **COURSE: Medical Management of Chemical and Biological Casualties (MCBC)**

USAMRICD, APG, MD and USAMRIID, Ft. Detrick, MD

[ccc@apg.amedd.army.mil](mailto:ccc@apg.amedd.army.mil)

[http://ccc.apgea.army.mil/courses/in\\_house/brochureMCBC.htm](http://ccc.apgea.army.mil/courses/in_house/brochureMCBC.htm)

March 22-25, 2004

### **2004 Interoperability and Systems Integration Conference**

Denver, CO

<http://www.ndia.org/events/brochure/4120/>

March 29 - April 1, 2004

### **DTIC 2004 Annual Users Meeting and Training Conference**

Old Town Alexandria, VA

<http://www.dtic.mil/dtic/annualconf/>

April 6-7, 2004

### **DOD Advance Planning Briefing for Industrial (ABPI) Chemical Biological Defense**

Laurel, MD

[http://register.ndia.org/interview/register.ndia?PID=Brochure&SID=\\_10T0M52JX&MID=4370](http://register.ndia.org/interview/register.ndia?PID=Brochure&SID=_10T0M52JX&MID=4370)

April 19-23, 2004

### **COURSE: Field Management of Chemical and Biological Casualties (FCBC)**

Aberdeen Proving Ground, MD

[ccc@apg.amedd.army.mil](mailto:ccc@apg.amedd.army.mil)

[http://ccc.apgea.army.mil/courses/in\\_house/brochureFCBC.htm](http://ccc.apgea.army.mil/courses/in_house/brochureFCBC.htm)

May 16-21, 2004

### **COURSE: Medical Management of Chemical and Biological Casualties (MCBC)**

USAMRICD, APG, MD and USAMRIID, Ft. Detrick, MD

[ccc@apg.amedd.army.mil](mailto:ccc@apg.amedd.army.mil)

[http://ccc.apgea.army.mil/courses/in\\_house/brochureMCBC.htm](http://ccc.apgea.army.mil/courses/in_house/brochureMCBC.htm)

May 17-21, 2004

### **XI International IUPAC Symposium on Mycotoxins and Phycotoxins**

Bethesda, MD

<http://www.aoac.org/meetings1/IUPAC/Main.htm>

May 24-27, 2004

### **Remediation of Chlorinated and Recalcitrant Compounds: The Fourth International Conference**

Monterey, CA

[info@confgroupinc.com](mailto:info@confgroupinc.com)

<http://www.battelle.org/environment/er/conferences/chlorcon/default.stm>

# IN THE NEWS • *By Mary Frances Tracy*

## **U.S. Response: Army Is Ready to License Chemical Decontaminant**

Mike Nartker

### **Global Security Newswire**

July 31, 2003

"U.S. Army scientists have developed a process to produce, in genetically engineered micro-organisms, two types of enzymes that are able to break down organophosphorus compounds that are found in nerve agents. The U.S. Army has decided to allow private companies to license the patents for this biological process to decontaminate items affected by chemical weapons agents, according to a notice published in the Federal Register." [http://www.nti.org/d\\_newswire/issues/newswires/8](http://www.nti.org/d_newswire/issues/newswires/8)

## **Fast-Acting Ebola Vaccine Protects Monkeys**

Jeff Miner

### **NIAID NEWS**

August 6, 2003

"A single shot of a fast-acting, experimental Ebola vaccine successfully protects monkeys from the deadly virus after only one month. If this vaccine proves similarly effective in humans, it may one day allow scientists to quickly contain Ebola outbreaks with ring vaccination—the same strategy successfully used in the past against smallpox."

<http://www.niaid.nih.gov/newsroom/releases/ebolavaccine.htm>

## **Smiths Detection Delivers First Manportable Chemical Agent Detector to UK MOD**

### **Smiths Detection**

August 7, 2003

"Following successful acceptance trials, Smiths Detection has commenced delivery of the new manportable chemical agent detector (MCAD) to the UK Ministry of Defence."

<http://63.89.158.169/News/item.asp?NewsItemID=64>

## **ECBC Personnel Part of Award-Winning Team**

### **ECBC News Release No. 03-24**

August 7, 2003

"The U.S. Army Edgewood Chemical Biological Center (ECBC) announced that the Joint Service Family of Decontamination Systems (JSFDS) team was recognized with the David Packard Award for Excellence in Department of Defense Acquisition."

<http://www.ecbc.army.mil>

<http://www.ecbc.army.mil/pr/download/PR03-24.pdf>

## **Small Sensor Sparks Big Interest**

Lidia Wasowicz

### **United Press International**

August 14, 2003

"Creation of the microtool, by physicists at the University of California, Los Angeles, could pave the way for early detection of cancer and other genetic diseases. It also could lead to timely identification of anthrax and other biowarfare agents and prompt determination of the potential power of a new drug."

<http://www.upi.com/view.cfm?StoryID=20030813-110627-5952r>

## **Airmen Play in National Exercise**

Capt. Kelly Cahalan

### **Air Warfare Center Public Affairs**

August 27, 2003

"Operations, logistics and medical experts here continue to assist state and federal agencies in a simulated nation-wide battle against the pneumonic plague, wildfires and bad weather, which began Aug. 18. The exercise, Determined Promise '03, was designed to test U.S. Northern Command's organizational structure and the military assistance to civil authorities mission." <http://www.af.mil/stories/story.asp?storyID=123005501>

## **New anthrax vaccine being tested**

### **MSNBC News**

September 2, 2003

A new vaccine that launches a two-pronged attack on anthrax — battling both the bacteria itself and the toxin it produces — is undergoing preliminary tests.

<http://www.msnbc.com/news/960289.asp?0si=-#BODY>

## **U.S. Chemical Weapons Destruction Extension Requested**

### **U.S. DoD News Release No. 650-03**

September 3, 2003

"The Department of Defense announced today that the United States will not meet the 45 percent chemical weapons stockpile destruction deadline of April 29, 2004, as set down by the Chemical Weapons Convention (CWC). The United States is therefore requesting the Organization for the Prohibition of Chemical Weapons (OPCW) grant an extension of the 45 percent destruction deadline."

<http://www.defenselink.mil/releases/2003/nr20030903-0426.html>

## **Biodefense Hubs to Be Set Up at 8 Sites**

### **New York Times**

September 4, 2003

"Eight U.S. universities will receive government grants totaling nearly \$350 million over five years to establish biodefense research centers. The centers will be clustered around Duke University, Harvard Medical School, the University of Chicago, the University of Maryland, the University of Texas Medical Branch in Galveston, the University of Washington, Washington University in St. Louis and Columbia University."

<http://www.nytimes.com/aponline/national/AP-HHS-Biodefense.html>

## **Schools to Develop Bioterrorism Vaccines**

Julie Halenar

### **Washington Post**

September 5, 2003

"The University of Maryland School of Medicine has been chosen to lead a multi-school effort to develop vaccines to protect against bioterrorism."

<http://www.washingtonpost.com/wp-dyn/articles/A29528-2003Sep5.html>

*The URLs listed in the CBIAC Newsletters are active links in the PDF versions posted on our website!*

## New CBIAC Info. Resources *cont.*

### Documents

#### Homeland Insecurity: Building the Expertise to Defend America from Bioterrorism

[http://www.ourpublicservice.org/usr\\_doc/Homeland\\_Insecurity\\_-\\_Building\\_the\\_Expertise\\_to\\_Defend\\_America\\_from\\_Bioterrorism.pdf](http://www.ourpublicservice.org/usr_doc/Homeland_Insecurity_-_Building_the_Expertise_to_Defend_America_from_Bioterrorism.pdf)

"In this report assessing the federal government's efforts to find, hire, manage and retain critical biodefense employees, the Partnership for Public Service seeks to give voice to those on the front lines of the country's biodefense - federal employees and biodefense experts in academia and the private sector." (*Acknowledgements*)



CB-159885

The Partnership for Public Service  
1725 Eye Street, N.W. • Suite 900 • Washington, D.C. 20006  
(202) 775-9111 or (202) 775-8855  
<http://www.ourpublicservice.org>

#### United States General Accounting Office. **Bioterrorism: Information Technology Strategy Could Strengthen Federal Agencies' Abilities to Respond to Public Health Emergencies.** Washington, D.C.: GAO, 2003.

<http://www.gao.gov>. (Go to the menu category entitled "GAO Reports" and select "Terrorism").

"Many of the activities under way to prepare for and respond to public health emergencies--including bioterrorism--are supported by information technology (IT), which can better enable public health agencies to identify naturally occurring or intentionally caused disease outbreaks and can support communications related to public health. Recent events, such as those mentioned, have led to increased action and funding for undertakings related to bioterrorism throughout the federal government. In these undertakings, it is important that the IT responsibilities and activities of federal public health entities be well planned and coordinated to effectively address the response to bioterrorism, reducing the risk of duplicating efforts and creating incompatible systems." (*Letter to Congressional Requesters*).

CB-190546

U.S. General Accounting Office  
P.O. Box 37050 • Washington, D.C. 20013  
Tel: (202) 512-6000  
Fax: (202) 258-4066  
United States General Accounting Office.

#### Capitol Hill Anthrax Incident--EPA's Cleanup Was Successful; Opportunities Exist to Enhance Contract Oversight.

Washington, D.C.: GAO, 2003.

<http://www.gao.gov>. (Go to the menu category entitled "GAO Reports" and select "Terrorism").

This report provides an overview of the procedures followed in the EPA's successful Capitol Hill cleanup as a part of its detailed analysis of its financial aspects. Physical aspects of the cleanup process cited include surface and air sampling methods, the four types of decontamination procedures used inside the congressional buildings and the use of ethylene oxide, chlorine dioxide or irradiation to decontaminate items that were removed from the buildings so as to effectuate decontamination offsite.

The financial analysis of the cleanup focuses on four areas: (1) the costs EPA incurred to carry out the Capitol Hill anthrax cleanup and how it was funded; (2) the manner in which EPA awarded the cleanup contracts; (3) How EPA oversaw the cleanup work carried out by the contractors and suggested changes in the contracting process; and (4) the arrangements that EPA made with contractors to indemnify them against liability for potential damages arising from the cleanup.

CB-190548

U.S. General Accounting Office  
P.O. Box 37050 • Washington, D.C. 20013  
Tel: (202) 512-6000  
Fax: (202) 258-4066

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for additional **CBD RESOURCES:**

**CBD Current Patents**  
**CBD Current Headlines**  
**CBD Journal Literature**  
**CBD Internet Directory**  
**Key CBD Documents**  
**Other Resources**

## In the News *cont.*

### Brookhaven Researchers Develop Counterterrorism Technologies

**AScribe** September 8, 2003  
 "Researchers at the U.S. Department of Energy's Brookhaven National Laboratory are developing counterterrorism technologies to help protect the United States from would-be terrorists wielding nuclear weapons, dirty bombs, toxic chemicals, or explosives."  
<http://www.ascribe.org/cgi-bin/spew4th.pl?ascribeid=20030907.063405&time=07%2042%20PDT&year=2003&public=1>

### CPSC, Essex PB&R Announce Recall of Plus 10® Fire Escape Hoods

**Recall Alert U.S. Consumer Product Safety Commission**  
 September 8, 2003  
 "These fire escape hoods do not provide protection against certain chemical warfare agents..., as previously claimed in marketing materials and on the firm's Web site. The product can still be used as an escape filter hood in fire and smoke emergencies. The product safety recall was conducted by the firm in cooperation with the CPSC."  
<http://www.cpsc.gov/cpsc/pub/prerel/prhtml03/03551.html>

### HHS Awards \$26.6 Million in New Program to Provide Bioterrorism Training and Curriculum

**U.S. Department of Health and Human Services News Release** September 12, 2003  
 "HHS Secretary Tommy G. Thompson today announced \$26.6 million in new grants to strengthen bioterrorism training and education for the nation's health professions workforce. The grants are the first in HHS' Bioterrorism Training and Curriculum Development Program. Today's grantees are in 23 states." (Website contains lists of grant recipients and dollar amount.)  
<http://www.hhs.gov/news/press/2003pres/20030912d.html>

### Exercise Focuses on WMD Traffickers

Donna Miles  
**American Forces Information Service** September 12, 2003  
 "Pacific Protector," a three day exercise scheduled for September 12 to September 14, 2003 in international waters off northeastern Australia, is the first of 10 exercises "planned through early 2004 under the Proliferation Security Initiative."  
[http://www.defenselink.mil/news/Sep2003/n09122003\\_200309127.html](http://www.defenselink.mil/news/Sep2003/n09122003_200309127.html)

### Homeland Security Company Passes United States Laboratory Testing Against Chemical Agents

**PRNewswire** September 16, 2003  
 "A Cornelius, N.C. based company that recently acquired the exclusive distribution rights to a multi layer plastic sheeting material designed to protect citizens against biochemical terrorist attacks has passed U.S. military testing standards. Home Guard,

Inc. has begun distribution of a safe room product, manufactured from material which has been used since 1993 by the Israeli Defense Forces for protection against chemical warfare."  
<http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=104&STORY=/www/story/09-16-2003/0002018367&EDATE>

### Hopkins' Biodefense Staff Departing: 20 Employees to Create Center for University of Pittsburgh Medical Center

Scott Shane  
**SunSpot.net** September 17, 2003  
 "In a surprise move announced yesterday, the staff of the biodefense policy center at the Johns Hopkins Bloomberg School of Public Health is leaving Hopkins to create a similar center for the University of Pittsburgh Medical Center. But the University of Pittsburgh's new Center for Biosecurity will have its headquarters in Baltimore, as well as offices in Washington and Pittsburgh, said Dr. Tara O'Toole, director of Hopkins' Center for Civilian Biodefense Strategies."  
<http://www.sunspot.net/news/health/bal-md.hopkins17sep17,0,2815855.story?coll=bal-health-headlines>

### Aircraft Go Through Decon Demo

1st Lt. James Madeiros  
**Air Armament Center Environmental Public Affairs**  
 September 17, 2003  
 "EGLIN AIR FORCE BASE, Fla. - The final phase of a two-year long test to discover solutions to aircraft chemical and biological contamination is being conducted by the Defense Threat Reduction Agency here Sept. 8 to 24."  
<http://www.af.mil/stories/story.asp?storyID=123005628>

### \$85 Million Awarded for Research on Human Immunity and Biodefense

**NIH News** September 17, 2003  
 "A better understanding of the human immune response to potential agents of bioterror and rapid development of countermeasures such as vaccines and therapies are among the objectives of a new program announced today by the National Institute of Allergy and Infectious Diseases (NIAID), one of the National Institutes of Health (NIH)."  
<http://www.nih.gov/news/pr/sep2003/niaid-17.htm>

### Smallpox Research Project Data Presented

**U.S. DoD News Release** No.715-03 September 30, 2003  
 "At a presentation today at the Embassy of the United Kingdom in Washington, D.C., United Devices, IBM and Accelrys, along with several technology and research partners, delivered the results of the Smallpox Research Grid project to representatives from the U.S. Department of Defense."  
<http://www.dod.mil/releases/2003/nr20030930-0489.html>

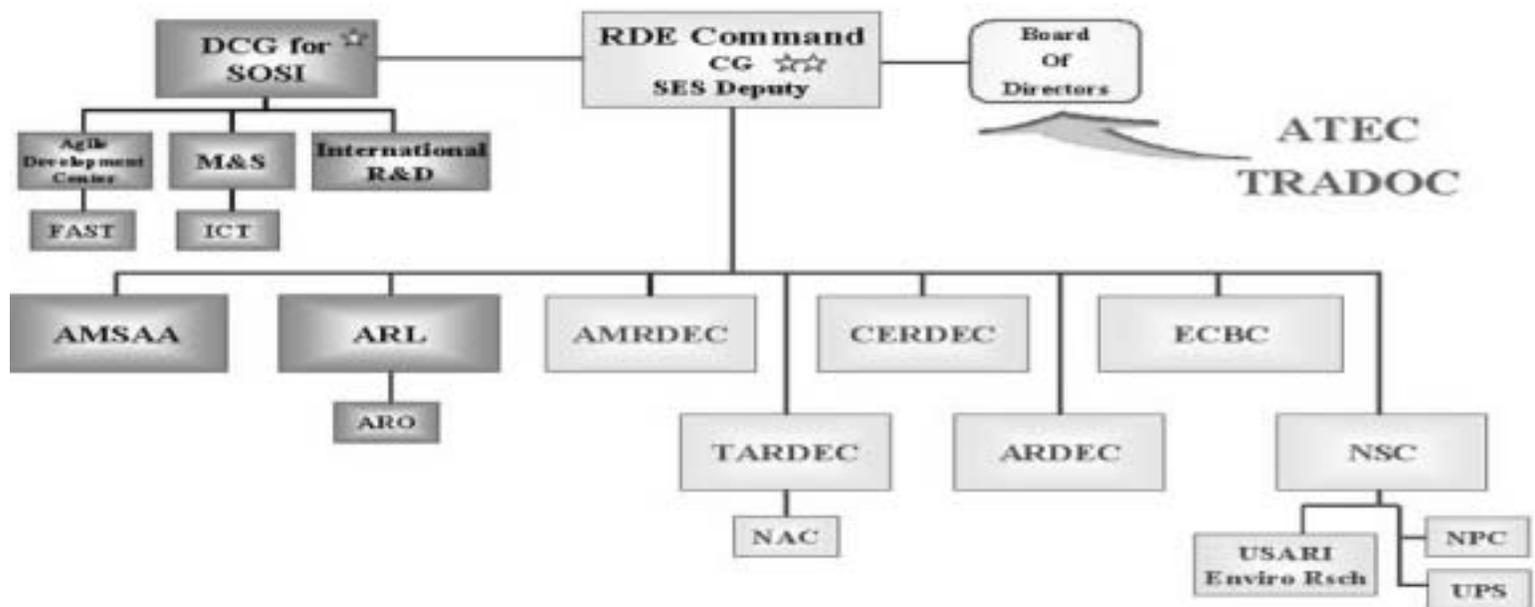
## “U.S. ARMY RESEARCH” *cont.*

all the labs so that they can operate in a virtual environment from any location.

The command's M&S efforts will feed into the advanced collaborative environment. This virtual, distributed environment will link M&S, lifecycle costs, requirements, testing, and training. The command is currently using M&S in the Future Combat Systems acquisition process. This method of information sharing will continue to grow and become the means by which all of the Army shares concepts and breaks down organizational walls. The days of single, independent platforms are coming to a close. The future will require each platform to be linked to all of the others. The only way the command can learn to operate like that is to first build the M&S capabilities. It will start with M&S and carry it through the acquisition process in a way that ensures the training devices and the systems are fielded together.

RDECOM will operate under a board of directors. The board membership will include the technical directors, who oversee each organizational element of the command, as well as the commanding general and deputy commanding general (DCG). It will conduct open sessions to provide staff and other stakeholders the opportunity to share their ideas and technology solutions. There will also be closed sessions where the board can address some of the tough actions that must be addressed as a large command.

Once RDECOM is fully established it will include the following elements:



- Army Research Laboratory, Adelphi and Aberdeen Proving Ground, Maryland.
- Army Materiel Systems Analysis Agency, Aberdeen Proving Ground, Maryland.
- Science and technology portion of Simulation, Training and Instrumentation Command, Orlando, Florida.
- Agile Development Center, Fort Belvoir, Virginia.
- International Cooperation Programs Activity, Alexandria, Virginia.
- Field Assistance in Science and Technology, Fort Belvoir, Virginia.
- Six Research, Development and Engineering Centers (RDEC)
  - Aviation and Missile RDEC, Redstone Arsenal, Huntsville, Alabama.
  - Armaments RDEC, Picatinny Arsenal, New Jersey.
  - Communications-Electronics RDEC, Fort Monmouth, New Jersey.
  - Tank-Automotive and Armaments Command RDEC, Warren, Michigan.
  - Natick Soldier Center, Natick, Massachusetts.
  - Edgewood Chemical and Biological Center, Aberdeen Proving Ground, Maryland.
- Research and development Standardization Groups around the world.

Visit the RDE Command Website at

<http://www.rdecommand.com>

or

<https://www.rde-enterprise.com/SSL/login.asp>

(password required)

# DISASTER MANAGEMENT

## DISASTER MANAGEMENT INTEROPERABILITY SERVICES (DMI-S) is:

- Part of the Disaster Management e-Gov initiative; an OMB/President's Management Council-approved program to provide information resources to responders.
- Designed by responders, for responders.
- Available at no financial cost to responder organizations.
- Focused on automated system interoperability and information sharing among responders.
- Managed by the Department of Homeland Security.
- A secure environment with controlled access.
- In broad use; been used effectively in incidents.
- Two major software products:
  - A nationally-scalable interoperability backbone that allows disparate systems to share information.
    - Government and commercial systems will use published interface specifications to "plug in."
    - System interface specifications evolve to higher levels of interoperability maturity over time.
  - A basic set of information tools for responders:
    - Tactical Information Exchange (situational awareness services) to include:
      - Weather forecasts and observations.
      - Responder-usable mapping.
      - Map product interoperability; MARPLOT import and Web Map Services.
      - Specific Needs Request.
      - New information Alerts.
    - Private instant message/chat function.
    - Open source intelligence reports.
    - IAB Standard Equipment List.
- A high return on your implementation planning and training investment. DMI-S has easy to follow installation guides, training materials, and staff available to assist.

**FOR MORE INFO OR TO REGISTER FOR THE SOFTWARE, VISIT:**  
[www.dmi-services.org](http://www.dmi-services.org)



**egov**

## DMI-SERVICES HIGHLIGHTS

- Enables information sharing among responder organizations.
- Easy to use.
- Provides national backbone for responder automated system interoperability.
- Built for all responders; current emphasis is on local and state use.
- Flexibility; it adapts to your organization not the other way around.
- Security; it has strict access controls, encrypts transferred information, and uses a virtual private network (VPN) to protect sensitive information.
- Works on and off-line. Uses Internet but is NOT browser-based. If you lose Internet connectivity, you can keep working until you can regain connectivity.
- Regular updates and new functionality on a quarterly basis.

## DMI-SERVICES FUTURE HIGHLIGHTS

- Server capability in your local area for increased speed and continuity.
- Planning tools.
  - Target Folder.
  - Playbook.
- On-scene video.
- Sensor interoperability.
- More extensive interoperability services.

At full maturity, DMI-S will enable responders, government offices, and authorized non-government organizations to share disaster management information seamlessly.

**DISASTERHELP**  
[WWW.DISASTERHELP.GOV](http://WWW.DISASTERHELP.GOV)

# New CBIAC Products



## Medical Aspects of Biological Agents

**Distribution Limitation:** *Approved for Public Release – Distribution Unlimited*  
**CR-03-08** **July 2003** **\$10.00**  
*(Free downloads on the Products Overview page on our website)*

This CD-ROM contains briefings (with notes pages) on Anthrax, Bubonic Plague, Crimean-Congo Hemorrhagic Fever, Dengue, Ebola, Influenza, Japanese Encephalitis, Lassa, Marburg, Pneumonic Plague, Rift Valley Fever, SEB, Smallpox, St. Louis Encephalitis, and Tularemia. These presentations are part of a series developed by the CBIAC for the Medical NBC Staff at the Office of The Surgeon General, U.S. Army. The briefings address medical issues, both operational and clinical, of these agents, and were developed for use in briefing either medical or maneuver commanders. Information in the presentations includes physical data on the agent, signs and symptoms, means of dispersion, treatment, medical resources required, issues about investigational new drugs or vaccines, and epidemiological concerns. Notes pages have been provided for reference. Each briefing contains sections on Background, Battlefield Response, Medical Response, Command and Control, Summary, and References.



## Law Enforcement Officers Guide for Responding to Chemical Terrorist Incidents

**Distribution Limitation:** *Approved for Public Release – Distribution Unlimited*  
**CR-03-09** **July 2003** **\$10.00**  
*(Up to 5 copies free to law enforcement agencies – contact CBIAC for details)*

This publication was developed by the SBCCOM Improved Response Program for the Department of Justice, Office of Justice Programs. It provides law enforcement personnel with a quick reference guide on the basic aspects of identifying and responding to a terrorist chemical weapons incident. The Guide includes an Introduction, along with sections on Indicators of a Chemical Incident, Chemical Agent Information, Initial Response, Dispatcher's Role, Notifications, Scene Control, Decontamination, Incident Investigation, and Evidence Collection, along with References.

**CBIAC**  
**Aberdeen Proving Ground - Edgewood Area**  
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